

**ABSTRACT**

An improved method and system for capturing and displaying a series of successive video images using at least first and second different exposure times, so that first video images captured using said first exposure time occur alternately in said series with second video images captured using said second exposure time. The method employs a digital computer and a software program for generating and storing digital data representative of said first and second video images, and utilizing that digital data to selectively display (a) side-by-side reproductions of said first and second images or (b) reproductions of only said first or said second video images or (c) composite images derived from the first and second video images digital data.